## A Diagnostic Assay for Alzheimer's Disease: Assessment of Aβ Abnormalities

## Abstract

The disclosed invention relates to assays for detecting and quantifying  $A\beta$  peptide, using solid supports that are coated with heavy metal cations, such as zinc (II) or copper (II) form of a nitriloacetic acid. Further, diagnostic kits are described which are used to carry out the assays of the present invention. An improvement in an assay for detection of  $A\beta$  peptide is suggested which comprises forming a heavy metal cation/solid support complex. The preferred heavy metal cations for this improvement are zinc (II) or copper (II) form of a nitriloacetic acid. Finally, methods and kits for bulk purification of  $A\beta$  peptides from biological fluids are taught.

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